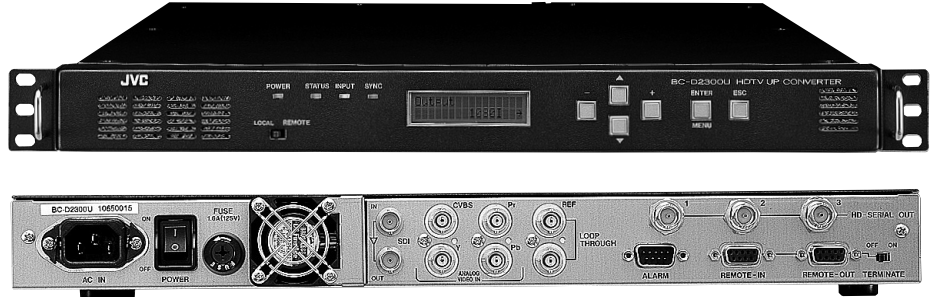


# HDTV Upconverter

## BC-D2300U

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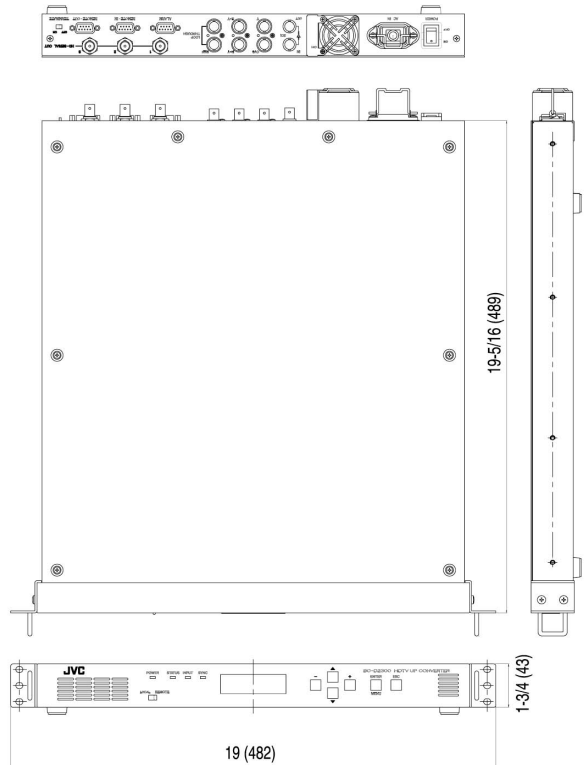
- Upconverts 480i/4:2:2 digital component signal to 720p or 1080i HDTV signal.
- Three aspect ratio conversion modes to convert 4:3 to 16:9
- Embedded audio input and output
- Audio signal is delayed in sync with the video processing delay.
- High-quality HDTV upconverter incorporating original JVC motion adaptive technologies
- 1U size, compact design with low power consumption of 35 W
- Two-dimensional Enhancer delivers living, crystal sharp pictures.
- Front panel control and remote control (via 9-pin connector: RS-485) or RS-232C
- Level enhancement adjustment, motion detection sensitivity adjustment, back color adjustment, colorimetry (on/off), horizontal/vertical screen adjustment and system phase adjustment available.
- 4-Event memory to preserve setting values
- Color bar output function
- Error indication and alarm signal output function
- An ID with up to 10 characters can be designated for individual converter units.

### INPUTS

Video	Digital serial video signal (NTSC: 480i), SMPTE259M x 1, 75 ohms unbalanced, with active through output (In order to input a D2 signal or an analog signal, an optional board "BC-D231U" is required).
Audio	Digital serial audio signal, SMPTE 272M x 1, 4ch, Sampling frequency 48kHz, Common input with video signal
Reference signal	NTSC black burst or HD sync x 1, 75 ohms unbalanced, with bridge output

### OUTPUTS

Video	Digital serial video signal, SMPTE 292M x 3, Colorimetry (On: ITU-R BT.601→ITU-R BT.709/Off: through), 75 ohms unbalanced
Audio	Digital serial audio signal, SMPTE 272M x 3, 4ch, sampling frequency 48kHz, common output with video signal
Quantization	10-bit
Conversion mode	3 modes (4:3/letter box/squeeze)
Position adjustment	Vertical: ±60 HD lines, Horizontal: ±120 pixels (Resolution: 2 pixels)
Event memory	4 memories
Power input	AC 120 V ± 10%, 50/60 Hz
Power consumption	Approx. 35 W
Dimensions (W x H x D)	482 x 43 x 489 mm (19" x 1-3/4" x 19-5/16") 1U rack mounting
Weight	Approx. 14 lbs.(6.2 kg)
Accessory	One set of rack mounting metal fittings



(Unit: inches / mm)

### Optional board

- D2/input board "BC-D231U"  
Input specification: D2 SDI (composite serial)

### Optional software

- Complete color corrector  
White level, Black level  
White color (B), White color (R)  
Black color (B), Black color (R)  
Video phase, chroma level